



## DW-309LMo

**Classification: AWS A5.22 E309LMoT0-1  
AWS A5.22 E309LMoT0-4**

**All-Weld-Metal (100%CO<sub>2</sub>)**

### 1-1. Chemical Composition

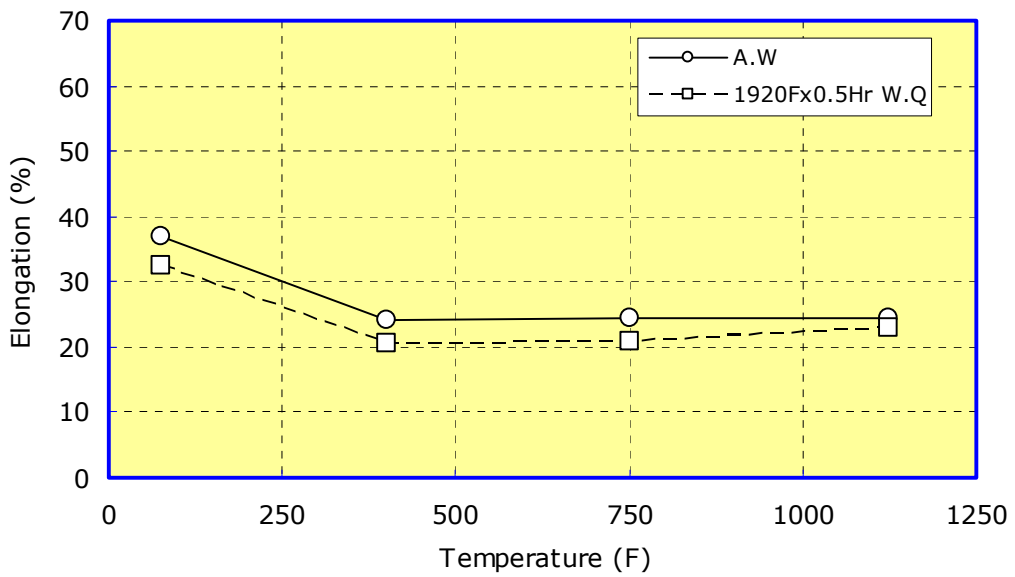
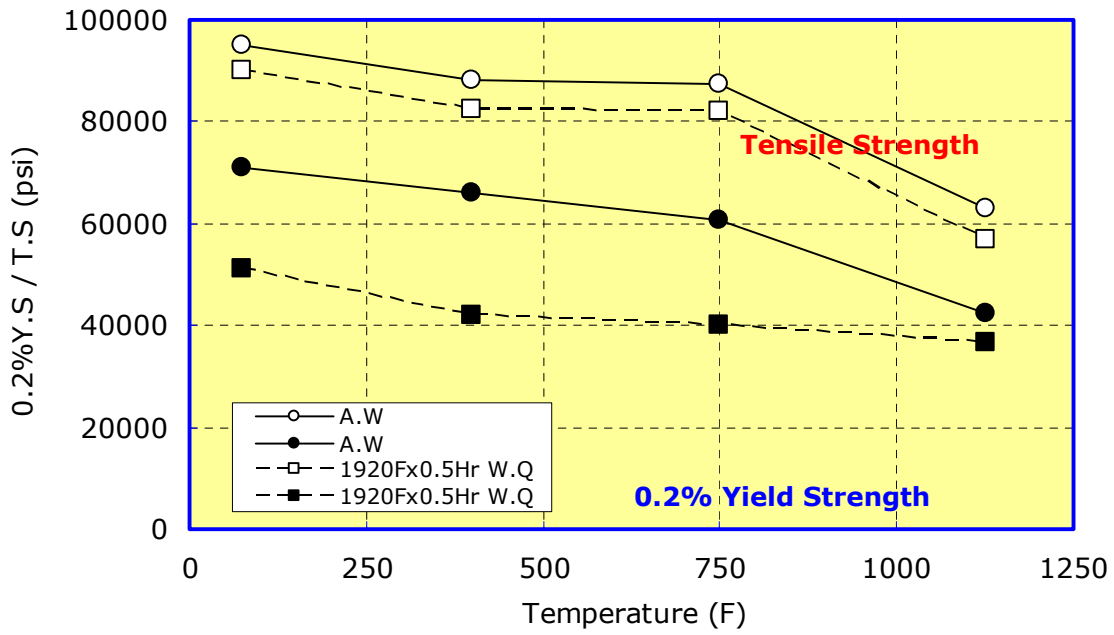
[Unit: mass%]

	C	Mn	Si	P	S	Ni	Cr	Mo	N
DW-309LMo	0.02	1.44	0.55	0.021	0.012	13.42	22.03	2.85	0.011
E309LMoT0-X	<0.04	0.5~2.5	<1.0	<0.04	<0.03	12.0~14.0	22.0~25.0	2.0~3.0	-----
	WRC <sub>1992</sub> (FN)		Shaeffler Diagram (%)			Delong Diagram (FN)			
DW-309LMo	21.5		12.9			>18			
E309LMoT0-X	-----		-----			-----			

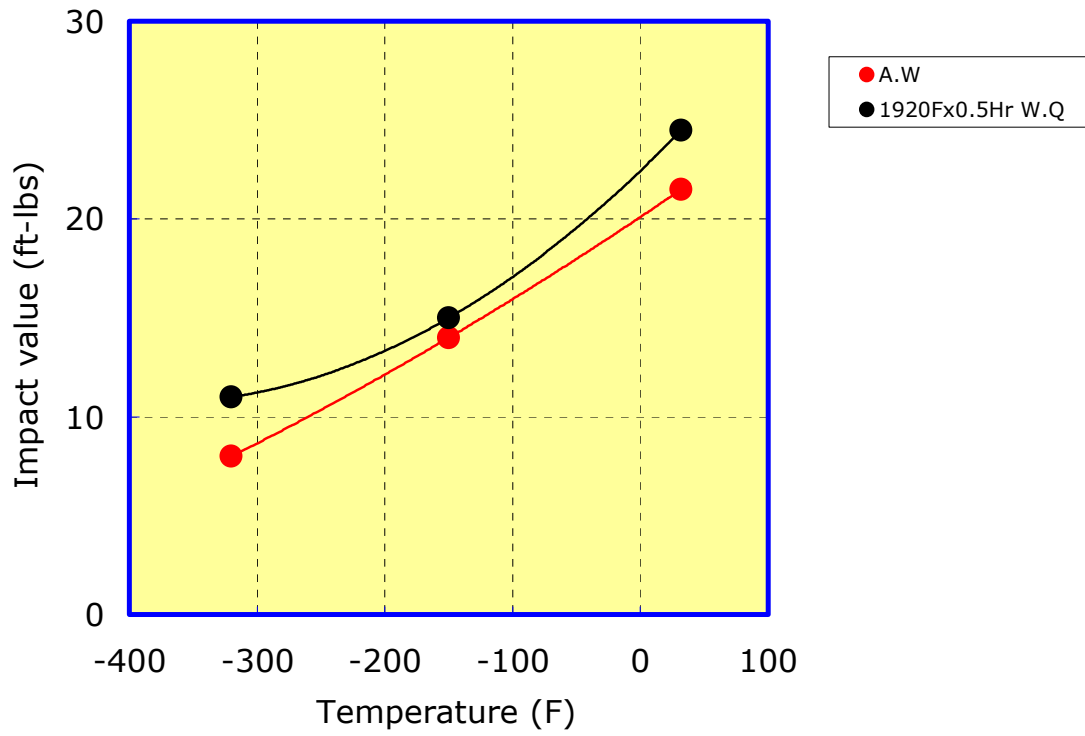
### 1-2. Tensile Test

	0.2% Proof stress (psi)	Tensile strength (psi)	Elongation (%)	Reduction of Area (%)
DW-309LMo	71,280	105,800	33	39
E309LMoT0-X	---	>75,000	>25	---

Note) Test was completed in the as welded condition and at room temperature



## 1-3. Impact Test



## 1-4. Corrosion Test

5% Sulfuric Acid Test

PWHT	Test Results (g/m <sup>2</sup> ·Hr)
As Welded	3.4